

**Warranty  
Registration**  
Register online today for a  
chance to win a FREE Tripp Lite  
product! [www.tripplite.com/warranty](http://www.tripplite.com/warranty)



# Owner's Manual

## SmartOnline™ Series 5kVA Isolation/Step-Down Transformer Module



Tested To Comply With FCC Standards

Not suitable for mobile applications.

### Important Safety Warnings

2

### Mounting

3-4

### Features

4

### Service, Warranty and Warranty Registration

5

### Español

6

### Français

11



1111 W. 35th Street • Chicago, IL 60609 USA

Customer Support: (773) 869-1234 • Application Services: (773) 869-1236 • [www.tripplite.com](http://www.tripplite.com)

Copyright ©2008 Tripp Lite. All rights reserved.

# Important Safety Warnings



SAVE THESE INSTRUCTIONS. This manual contains important instructions and warnings that should be followed during the installation and maintenance of Tripp Lite SmartOnline transformer modules.

## Transformer Location Warnings

- Install your transformer module indoors, away from excess moisture or heat, direct sunlight, dust or conductive contaminants.
- Install your transformer module in a structurally sound area. Your transformer is heavy; exercise care when moving or lifting the unit.
- Only operate your transformer module at indoor temperatures between 32° F and 104° F (0° C and 40° C). For best results, maintain indoor temperatures between 62° F and 84° F (17° C and 29° C).
- For proper ventilation, leave adequate space around all sides of the transformer module.
- Do not install the transformer module near magnetic storage media, as this may cause data corruption.

## Equipment Connection Warnings

- Do not use Tripp Lite transformer modules in life support applications in which a malfunction or failure of a Tripp Lite transformer could cause failure or significantly alter the performance of a life support device.
- Connect your transformer module's grounding terminal to a grounding electrode conductor.
- Branch circuit protection must be provided by building installation.

## Maintenance Warnings

- Your transformer module does not require routine maintenance. Do not open it for routine maintenance. There are no user-serviceable parts inside.

## Medical Applications and Life Support Warning

- Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended. Do not use this equipment in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide.

# Mounting (Rack)

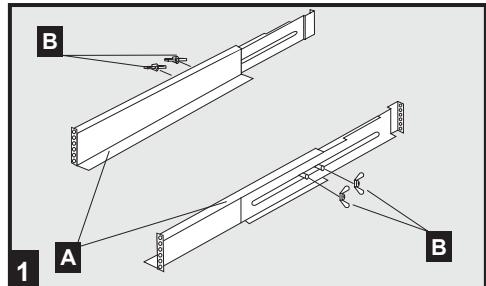
Mount your equipment in either a 4-post or 2-post rack or rack enclosure. The user must determine the fitness of hardware and procedures before mounting. If hardware and procedures are not suitable for your application, contact the manufacturer of your rack or rack enclosure. The procedures described in this manual are for common rack and rack enclosure types and may not be appropriate for all applications.

## WARNING!

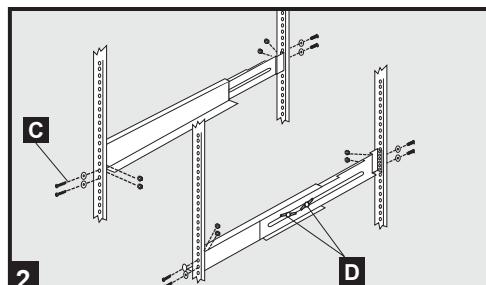
**Transformer modules are extremely heavy! Use caution while lifting and mounting! User must properly stabilize the module while lifting and mounting!**

## 4-Post Mounting

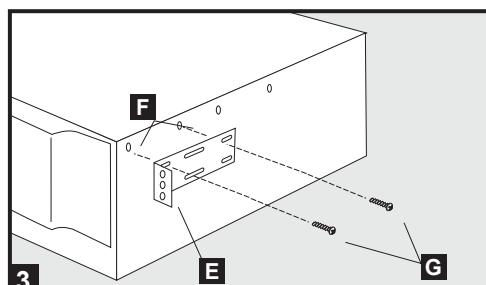
- 1 Connect the two segments of each shelf **A** using the included attached screws and wing nuts **B**. Leave the screws slightly loose so that the shelves can be adjusted in the next step.



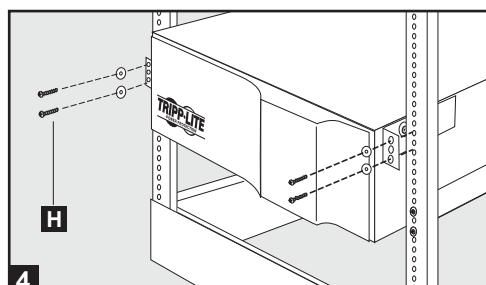
- 2 Adjust each shelf to fit your rack, then mount them in the lowest available space of your rack with the screws, nuts and washers provided **C**. Note that the support ledges should face inward. Tighten the wingnuts that connect the shelf segments **D**.



- 3 Attach mounting ears **E** to the front mounting holes of your equipment **F** using the screws provided **G**. The ears should face forward.



- 4 Using an assistant, lift your equipment and slide it onto the mounting shelves. Attach your equipment to the rack by passing the screws, nuts and washers (user-provided) **H** through its mounting ears and into the rack rails.



## 2-Post (Telecom) Mounting

To mount your equipment in a 2-post rack, you must purchase a Tripp Lite 2-Post Rackmount Installation Kit (model: 2POSTRMKITWM, sold separately). See the Installation Kit's owner's manual for complete mounting instructions.

# Mounting (Tower)

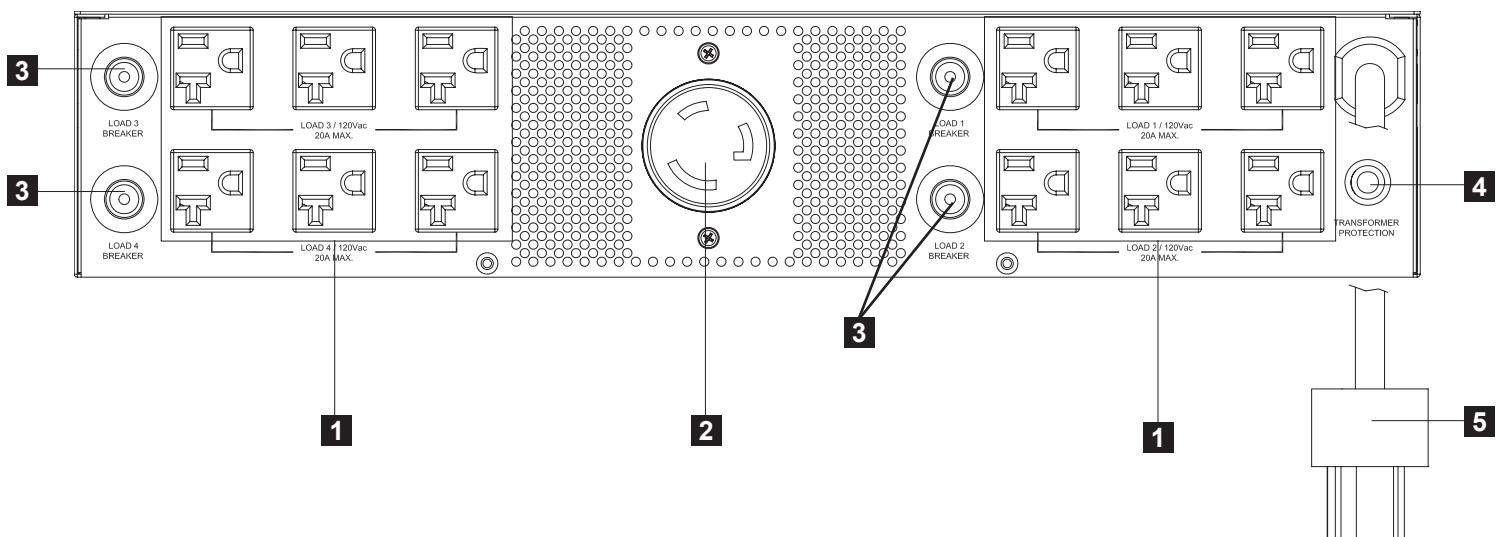
The transformer module can be mounted in an upright tower position when used with optional base stands, sold separately by Tripp Lite (model #: 2-9USTAND). When installing a transformer module, place it between the power module and the battery module.

## WARNING!

Transformer modules are extremely heavy! Use caution while lifting and mounting! User must properly stabilize the module while lifting and mounting!

# Features (Rear Panel)

Before installing and operating your transformer module, familiarize yourself with the location and function of its features.



**1** **AC Output Receptacles:** Accepts direct plug-in connection of NEMA 5-15P or NEMA 5-20P equipment plugs.

**2** **AC Outlet Receptacle:** Accepts direct plug-in connection of L6-30R equipment plugs.

**3** **AC Output Breakers:** Push-button breakers control output power to transformer module's AC Output Receptacles, which are directly adjacent.

**4** **Overtemperature Reset Breaker:** Trips if the transformer's temperature climbs too high.

**5** **Input Power Cord:** Plugs into L6-30R receptacle.

# Service, Warranty and Warranty Registration

## Service

Your SmartOnline Transformer Module is covered by the 2-year limited warranty period described below. A variety of Extended Warranty and On-Site Service Programs are also available from Tripp Lite. For more information on service, call Tripp Lite Customer Support at (773) 869-1234.

Before returning your Transformer Module for service, follow these steps:

1. Review the installation and operation instructions in this manual to ensure that the service problem does not originate from a misreading of the instructions. Also, check that the UPS System's circuit breaker(s) are not tripped. This is the most common cause of service inquiries.
2. If the problem continues, do not contact or return the Transformer Module to the dealer. Instead, call Tripp Lite at (773) 869-1233. A service technician will ask for the unit's model number, serial number and purchase date and will attempt to correct the problem over the phone.
3. If the problem requires service, the technician will issue you a Returned Material Authorization (RMA) number, which is required for service. They will also discuss proper packaging and shipping procedures. Any damages (direct, indirect, special, incidental or consequential) to the unit incurred during shipment to Tripp Lite or an authorized Tripp Lite service center is not covered under warranty. UPS Systems shipped to Tripp Lite or an authorized Tripp Lite service center must have transportation charges prepaid. Mark the RMA number on the outside of the package. If the unit is within the 2-year warranty period, enclose a copy of your sales receipt. Return the unit for service using an insured carrier to the address given to you by the Tripp Lite service technician.

## 2-Year Limited Warranty

TRIPP LITE warrants its products including batteries to be free from defects in materials and workmanship for a period of two years from the date of initial purchase. After 90 days from the date of purchase, TRIPP LITE's obligation under this warranty is limited to replacing parts on such defective products. To obtain service under this warranty, you must call TRIPP LITE or an authorized TRIPP LITE service center. Products must be returned to TRIPP LITE or an authorized TRIPP LITE service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

The warranties of all TRIPP LITE surge suppressors are null and void if they have been connected to the output of any UPS system. The warranties of all TRIPP LITE UPS Systems are null and void if a surge suppressor has been connected to its output receptacles.

EXCEPT AS PROVIDED HEREIN, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL TRIPP LITE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TRIPP LITE is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

The policy of TRIPP LITE is one of continuous improvement. Specifications are subject to change without notice.

## WARRANTY REGISTRATION

Visit [www.tripplite.com/warranty](http://www.tripplite.com/warranty) today to register the warranty for your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!\*

\* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

## FCC RADIO/TV INTERFERENCE NOTICE

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. Operation of this equipment is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. The user must use shielded cables and connectors with this product. Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Not suitable for mobile applications.

## Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.

Made in China



1111 W. 35th Street, Chicago, IL 60609 USA  
773.869.1234 (USA) • 773.869.1212 (International)  
[www.tripplite.com](http://www.tripplite.com)